Product Sheet

Memory Interface
128 bit
Memory Bandwidth
32 GB/sec
Fill Rate
10.8 billion/sec
Chipset
GeForce™ 8600 GTS
RAMDACs
400 MHz
Stream Processors
32
Shader Clock
1450 MHz

Dual Link DVI - Supporting digital output up to 2560x1600
Yes
Clock rate
675 MHz
Memory Clock
2.0 GHz
Shader Clock
1475 MHz
Chipset
GeForce 8600 GTS
Memory
512 MB
Bus Type
PCI-E
Memory Bus
256-bit
Highlighted Features
TV Out,Vista,HDCP Ready,HDTV ready,Dual DVI Out,SLI ready,RoHS

Built for Microsoft® Windows Vista™
NVIDIA’s fourth-generation GPU architecture built for Windows Vista gives users the best possible experience with the Windows Aero 3D graphical user interface.
Full Microsoft® DirectX® 10 Support
World’s first DirectX 10 GPU with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects.
NVIDIA® SLI™ Technology
Delivers up to 2x the performance of a single GPU configuration for unparalleled gaming experiences by allowing two graphics cards to run in parallel. The must-have feature for performance PCI Express graphics, SLI dramatically scales performance on over 60 top PC games.
OpenGL™ 2.0 Optimizations and Support
Ensures top-notch compatibility and performance for all OpenGL applications. NVIDIA® nView® Multi-display Advanced technology provides the ultimate in viewing flexibility and control for multiple monitors.
NVIDIA® Lumenex™ Engine
Delivers stunning image quality and floating point accuracy at ultra-fast frame rates.
NVIDIA® nView® Multi-Display Technology
Advanced technology provides the ultimate in viewing flexibility and control for multiple monitors.
NVIDIA® Quantum Effects™ Technology
Advanced shader processors architected for physics computation enable a new level of physics effects to be simulated and rendered on the GPU—all while freeing the CPU to run the game engine and AI.
128-bit floating point High Dynamic-Range (HDR)
Twice the precision of prior generations for incredibly realistic lighting effects—now with support for anti-aliasing.
16x Anti-aliasing
Lightning fast, high-quality anti-aliasing at up to 16x sample rates obliterates jagged edges.
Dual DVI Support
Able to drive the industry's largest and highest resolution flat-panel displays.
Dual Link DVI
Capable of supporting digital output for high resolution monitors (up to 2560x1600).

PCI Express™ Support

Designed to run perfectly with the next-generation PCI Express bus architecture. This new bus doubles the bandwidth of AGP 8X delivering over 4 GB/sec. in both upstream and downstream data transfers.

High-Speed GDDR3 Memory Interface

Support for the world's fastest GDDR3 memory delivers fluid frame rates for even the most advanced games and applications.

NVIDIA® ForceWare® Unified Driver Architecture (UDA)

Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. ForceWare provides the best out-of-box experience and delivers continuous performance and feature updates over the life of NVIDIA GeForce® GPUs.

Dual 400MHz RAMDACs

Blazing-fast RAMDACs support dual QXGA displays with ultra-high, ergonomic refresh rates--up to 2048x1536@85Hz.

NVIDIA® PureVideo™ Technology

The combination of high-definition video processors and NVIDIA DVD decoder software delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for all video content to turn your PC into a high-end home theater. (Feature requires supported video software.)